

N00109.AR.003068  
NWS YORKTOWN  
5090.3a

VALIDATED DATA PACKAGE, A403290, NWS YORKTOWN VA  
9/2/2014  
CH2M HILL

## Data Validation Summary

### Yorktown CTO-WE35, Site 6

TO: Clairette Campbell/VBO

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: September 2, 2014

### Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories, for SDG A403290.

Samples were analyzed using the following analytical methods:

- SW8260B Volatiles
- SW8270D Semivolatiles
- SW8270D\_SIM Semivolatiles
- SW8081B Pesticides
- SW8082A PCBs
- SW8330B Explosives
- SW6010C Metals
- SW7470A/SW7471B Mercury
- SW9014 Cyanide

The samples included in these SDG are listed in the table below.

Sample Name	Matrix
YS06-SS22-0614	Soil
YS06-SB22-0614	Soil
YS06-SB22-4H5H-0614	Soil
YS06-SS14-0614	Soil

Sample Name	Matrix
YS06-SB14-0614	Soil
YS06-SB14-2H3H-0614	Soil
YS06-SS13-0614	Soil
YS06-SB13-0614	Soil
YS06-SB13-2H3H-0614	Soil
YS06-SB28-0405-0614	Soil
YS06-EB01-060514-SO	Water
YS06-TB01-060514	Water

## Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Sampling and Analysis Plan Site 6 Data Gap Investigation, Naval Weapons Station Yorktown Yorktown, Virginia, Contract Task Order WE 35 (March 2014), Region III Modifications for Organic Data Review (EPA 1994), and Region III Modifications for Inorganic Data Review (EPA 1993), as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Surrogates
- Field Duplicates
- Column Confirmation
- Interference Check Sample
- Identification/Quantitation
- Reporting Limits

## **Overall Evaluation of Data/Potential Usability Issues**

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

### **Data Completeness**

The SDGs were received complete and intact.

### **Technical Holding Times**

According to the chain of custody records, sampling was performed on 6/5/14. Samples were received at the laboratory on 6/6/14. All sample preparation analysis was performed within holding time requirements with the exception of sample YS06-EB01-060514-SO for method SW8081B and sample YS06-SB14-0614 for method SW8270D. Affected data are summarized in **Attachment 1**.

### **Blanks**

The compounds listed below were detected in the method blanks, equipment blank, and calibrations blanks. Affected data are summarized in **Attachment 1**.

Blank ID	Compound	Conc.	Units
YS06-EB01-060514-SO	Beryllium	0.119	UG_L
YS06-EB01-060514-SO	Calcium	67.0	UG_L
YS06-EB01-060514-SO	Iron	7.95	UG_L
YS06-EB01-060514-SO	Manganese	0.674	UG_L
YS06-EB01-060514-SO	Sodium	314	UG_L
YS06-EB01-060514-SO	Acetone	8.6	UG_L
YS06-EB01-060514-SO	Methylene chloride	2.3	UG_L
YS06-EB01-060514-SO	Chloroform	0.87	UG_L
CCB	Iron	12.2	UG_L
CCB	Sodium	64.2	UG_L
4F19013-BL	Acetone	0.0037	MG_KG_WETWT
4F19013-BL	Methylene chloride	0.016	MG_KG_WETWT
4F19013-BL	1,2,4-Trichlorobenzene	0.0028	MG_KG_WETWT
4F19013-BL	1,4-Dichlorobenzene	0.0004	MG_KG_WETWT
4F19013-BL	1,2,3-Trichlorobenzene	0.0019	MG_KG_WETWT

Blank ID	Compound	Conc.	Units
4F19013-BL	Acetone	0.0034	MG_KG_WETWT
4F19013-BL	Methylene chloride	0.017	MG_KG_WETWT
4F19013-BL	Acetone	0.0031	MG_KG_WETWT
4F19013-BL	Methylene chloride	0.0015	MG_KG_WETWT
4F18025-BL	Acetone	0.0037	MG_KG_WETWT
4F18025-BL	Methylene chloride	0.0033	MG_KG_WETWT
4F18006-BL	Beryllium	0.101	UG_L
4F18006-BL	Manganese	0.260	UG_L
4F18005-BL	Iron	0.506	MG_KG_WETWT
4F18005-BL	Manganese	0.0299	MG_KG_WETWT
4F16019-BL	Acetone	0.0042	MG_KG_WETWT
4F16019-BL	Methylene chloride	0.0009	MG_KG_WETWT
4F16019-BL	Methylcyclohexane	0.0006	MG_KG_WETWT
4F16019-BL	1,2,4-Trichlorobenzene	0.0031	MG_KG_WETWT
4F16019-BL	1,2,3-Trichlorobenzene	0.0026	MG_KG_WETWT
4F16019-BL	Methylene chloride	0.0015	MG_KG_WETWT

### Surrogates

Several samples for methods SW8081B and SW8082A exhibited low recoveries in the surrogates. Affected data are summarized in **Attachment 1**.

### Lab Control Sample/Sample Duplicate

Chlorobenzene, o-xylene, benzaldehyde, and tetryl exhibited low recoveries in the LCS/LCSD. Bis(2-chloroethyl)ether, 2-chlorophenol, 2,2-oxybis(1-chloropropane), hexachloroethane, and 2-methylnaphthalene did not meet RPD criteria between the LCS and LCSD. Affected data are summarized in **Attachment 1**.

### Column Confirmation

The compounds listed below did not meet column confirmation criteria. Affected data are summarized in **Attachment 1**.

Sample ID	Compound
YS06-SB22-0614	Heptachlor
YS06-SB22-4H5H-0614	Heptachlor
YS06-SB22-4H5H-0614	alpha-BHC

## **Calibration**

2-Butanone, chloromethane, and dichlorodifluoromethane did not meet criteria for second source calibration. 1,2-Dibromo-3-chloropropane exhibited low responses in the continuing calibration. Affected data are summarized in **Attachment 1**.

## **Conclusion**

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

A handwritten signature in blue ink that reads "Tiffany McGlynn". The signature is fluid and cursive, with "Tiffany" on top and "McGlynn" below it.

Tiffany McGlynn

## **Qualification Flags**

Exclude	More appropriate data exist for this analyte.
R	Data were rejected for use.
UL	Analyte not detected, quantitation limit is potentially biased low.
UJ	Analyte not detected, estimated quantitation limit.
U	Analyte not detected.
B	Not detected substantially above the level reported in laboratory or field blanks.
L	Analyte present, estimated value potentially biased low.
K	Analyte present, estimated value potentially biased high.
N	Analyte identification presumptive; no second column analysis performed or GC/MS tentative identification.
J	Analyte present, estimated value.
NJ	Analysis indicates the presence of an analyte that was "tentatively identified" and the associated value represents its approximate concentration.
None	Placeholder for calculating quality control issues that do not require flagging.
=	Analyte was detected at a concentration greater than the quantitation limit.

## **Qualifier Code Reference**

<b>Value</b>	<b>Description</b>
%SOL	High Moisture content
2C	Second Column – Poor Dual Column Reproducibility
2S	Second Source – Bad reproducibility between tandem detectors
BD	Blank Spike/Blank Spike Duplicate(LCS/LCSD) Precision
BRL	Below Reporting Limit
BSH	Blank Spike/LCS – High Recovery
BSL	Blank Spike/LCS – Low Recovery
CC	Continuing Calibration
CCBL	Continuing Calibration Blank Contamination
CCH	Continuing Calibration Verification – High Recovery
CCL	Continuing Calibration Verification – Low Recovery
DL	Redundant Result – due to Dilution
EBL	Equipment Blank Contamination
EMPC	Estimated Possible Maximum Concentration
ESH	Extraction Standard - High Recovery
ESL	Extraction Standard - Low Recovery
FBL	Field Blank Contamination
FD	Field Duplicate
HT	Holding Time
ICB	Initial Calibration – Bad Linearity or Curve Function
ICH	Initial Calibration – High Relative Response Factors
ICL	Initial Calibration – Low Relative Response Factors
IR15	Ion ratio exceeds +/- 15% difference
ISH	Internal Standard – High Recovery
ISL	Internal Standard – Low Recovery
LD	Lab Duplicate Reproducibility
LR	Concentration Exceeds Linear Range
MBL	Method Blank Contamination
MDP	Matrix Spike/Matrix Spike Duplicate Precision
MI	Matrix interference obscuring the raw data

MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

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Attachment 1 Change Qual. Table

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Sample ID	Compound	Q Flag	Qual Code
YS06-EB01-060514-SO	Tetryl	UL	BSL
YS06-SS22-0614	alpha-BHC	UL	SSL
YS06-SS22-0614	gamma-BHC (Lindane)	UL	SSL
YS06-SS22-0614	beta-BHC	UL	SSL
YS06-SS22-0614	delta-BHC	UL	SSL
YS06-SS22-0614	Heptachlor	UL	SSL
YS06-SS22-0614	Aldrin	UL	SSL
YS06-SS22-0614	Heptachlor epoxide	UL	SSL
YS06-SS22-0614	gamma-Chlordane	UL	SSL
YS06-SS22-0614	alpha-Chlordane	UL	SSL
YS06-SS22-0614	4,4'-DDE	UL	SSL
YS06-SS22-0614	Endosulfan I	UL	SSL
YS06-SS22-0614	Dieldrin	UL	SSL
YS06-SS22-0614	Endrin	UL	SSL
YS06-SS22-0614	4,4'-DDD	UL	SSL
YS06-SS22-0614	Endosulfan II	UL	SSL
YS06-SS22-0614	4,4'-DDT	UL	SSL
YS06-SS22-0614	Endrin aldehyde	UL	SSL
YS06-SS22-0614	Methoxychlor	UL	SSL
YS06-SS22-0614	Endosulfan sulfate	UL	SSL
YS06-SS22-0614	Endrin ketone	UL	SSL
YS06-SS22-0614	Toxaphene	UL	SSL
YS06-SS22-0614	Dichlorodifluoromethane (Freon-12)	UJ	2S
YS06-SS22-0614	Chloromethane	UJ	2S
YS06-SS22-0614	Benzaldehyde	UL	BSL
YS06-SB22-0614	Heptachlor	J	2C
YS06-SB22-0614	2-Butanone	UJ	2S
YS06-SB22-0614	Benzaldehyde	UL	BSL
YS06-SB22-4H5H-0614	alpha-BHC	J	2C
YS06-SB22-4H5H-0614	Dichlorodifluoromethane (Freon-12)	UJ	2S
YS06-SB22-4H5H-0614	Chloromethane	UJ	2S
YS06-SB22-4H5H-0614	Methylene chloride	B	MBL
YS06-SS14-0614	Sodium	B	EBL
YS06-SS14-0614	alpha-BHC	UL	SSL
YS06-SS14-0614	gamma-BHC (Lindane)	UL	SSL
YS06-SS14-0614	beta-BHC	UL	SSL
YS06-SS14-0614	delta-BHC	UL	SSL
YS06-SS14-0614	Heptachlor	UL	SSL
YS06-SS14-0614	Aldrin	UL	SSL
YS06-SS14-0614	Heptachlor epoxide	UL	SSL
YS06-SS14-0614	gamma-Chlordane	UL	SSL
YS06-SS14-0614	alpha-Chlordane	UL	SSL
YS06-SS14-0614	4,4'-DDE	UL	SSL

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Attachment 1 Change Qual. Table

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Sample ID	Compound	Q Flag	Qual Code
YS06-SS14-0614	Endosulfan I	UL	SSL
YS06-SS14-0614	Dieldrin	UL	SSL
YS06-SS14-0614	Endrin	UL	SSL
YS06-SS14-0614	4,4'-DDD	UL	SSL
YS06-SS14-0614	Endosulfan II	UL	SSL
YS06-SS14-0614	4,4'-DDT	UL	SSL
YS06-SS14-0614	Endrin aldehyde	UL	SSL
YS06-SS14-0614	Methoxychlor	UL	SSL
YS06-SS14-0614	Endosulfan sulfate	UL	SSL
YS06-SS14-0614	Endrin ketone	UL	SSL
YS06-SS14-0614	Toxaphene	UL	SSL
YS06-SS14-0614	2-Butanone	UJ	2S
YS06-SB14-0614	Sodium	B	EBL
YS06-SB14-0614	alpha-BHC	UL	SSL
YS06-SB14-0614	gamma-BHC (Lindane)	UL	SSL
YS06-SB14-0614	beta-BHC	UL	SSL
YS06-SB14-0614	delta-BHC	UL	SSL
YS06-SB14-0614	Heptachlor	UL	SSL
YS06-SB14-0614	Aldrin	UL	SSL
YS06-SB14-0614	Heptachlor epoxide	UL	SSL
YS06-SB14-0614	gamma-Chlordane	UL	SSL
YS06-SB14-0614	alpha-Chlordane	UL	SSL
YS06-SB14-0614	4,4'-DDE	UL	SSL
YS06-SB14-0614	Endosulfan I	UL	SSL
YS06-SB14-0614	Dieldrin	UL	SSL
YS06-SB14-0614	Endrin	UL	SSL
YS06-SB14-0614	4,4'-DDD	UL	SSL
YS06-SB14-0614	Endosulfan II	UL	SSL
YS06-SB14-0614	4,4'-DDT	UL	SSL
YS06-SB14-0614	Endrin aldehyde	UL	SSL
YS06-SB14-0614	Methoxychlor	UL	SSL
YS06-SB14-0614	Endosulfan sulfate	UL	SSL
YS06-SB14-0614	Endrin ketone	UL	SSL
YS06-SB14-0614	Toxaphene	UL	SSL
YS06-SB14-0614	Acetone	B	MBL
YS06-SB14-0614	2-Butanone	UJ	2S
YS06-SB14-0614	Benzaldehyde	UJ	HT
YS06-SB14-0614	Phenol	UJ	HT
YS06-SB14-0614	bis(2-Chloroethyl)ether	UJ	HT
YS06-SB14-0614	2-Chlorophenol	UJ	HT
YS06-SB14-0614	2-Methylphenol	UJ	HT
YS06-SB14-0614	2,2'-Oxybis(1-chloropropane)	UJ	HT
YS06-SB14-0614	Acetophenone	UJ	HT

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## Attachment 1 Change Qual. Table

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Sample ID	Compound	Q Flag	Qual Code
YS06-SB14-0614	3- and 4-Methylphenol	UJ	HT
YS06-SB14-0614	n-Nitroso-di-n-propylamine	UJ	HT
YS06-SB14-0614	Hexachloroethane	UJ	HT
YS06-SB14-0614	Isophorone	UJ	HT
YS06-SB14-0614	2-Nitrophenol	UJ	HT
YS06-SB14-0614	2,4-Dimethylphenol	UJ	HT
YS06-SB14-0614	bis(2-Chloroethoxy)methane	UJ	HT
YS06-SB14-0614	2,4-Dichlorophenol	UJ	HT
YS06-SB14-0614	4-Chloroaniline	UJ	HT
YS06-SB14-0614	Hexachlorobutadiene	UJ	HT
YS06-SB14-0614	4-Chloro-3-methylphenol	UJ	HT
YS06-SB14-0614	Hexachlorocyclopentadiene	UJ	HT
YS06-SB14-0614	1,2,4,5-Tetrachlorobenzene	UJ	HT
YS06-SB14-0614	2,4,6-Trichlorophenol	UJ	HT
YS06-SB14-0614	2,4,5-Trichlorophenol	UJ	HT
YS06-SB14-0614	1,1-Biphenyl	UJ	HT
YS06-SB14-0614	2-Chloronaphthalene	UJ	HT
YS06-SB14-0614	2-Nitroaniline	UJ	HT
YS06-SB14-0614	Dimethyl phthalate	UJ	HT
YS06-SB14-0614	3-Nitroaniline	UJ	HT
YS06-SB14-0614	2,4-Dinitrophenol	UJ	HT
YS06-SB14-0614	4-Nitrophenol	UJ	HT
YS06-SB14-0614	Dibenzofuran	UJ	HT
YS06-SB14-0614	2,3,4,6-Tetrachlorophenol	UJ	HT
YS06-SB14-0614	Diethylphthalate	UJ	HT
YS06-SB14-0614	4-Chlorophenyl-phenylether	UJ	HT
YS06-SB14-0614	4-Nitroaniline	UJ	HT
YS06-SB14-0614	4,6-Dinitro-2-methylphenol	UJ	HT
YS06-SB14-0614	n-Nitrosodiphenylamine	UJ	HT
YS06-SB14-0614	4-Bromophenyl-phenylether	UJ	HT
YS06-SB14-0614	Hexachlorobenzene	UJ	HT
YS06-SB14-0614	Atrazine	UJ	HT
YS06-SB14-0614	Pentachlorophenol	UJ	HT
YS06-SB14-0614	Carbazole	UJ	HT
YS06-SB14-0614	Di-n-butylphthalate	UJ	HT
YS06-SB14-0614	Butylbenzylphthalate	UJ	HT
YS06-SB14-0614	3,3'-Dichlorobenzidine	UJ	HT
YS06-SB14-0614	bis(2-Ethylhexyl)phthalate	UJ	HT
YS06-SB14-0614	Di-n-octylphthalate	UJ	HT
YS06-SB14-0614	Caprolactam	UJ	HT
YS06-SB14-2H3H-0614	Sodium	B	EBL
YS06-SB14-2H3H-0614	alpha-BHC	UL	SSL
YS06-SB14-2H3H-0614	gamma-BHC (Lindane)	UL	SSL

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Attachment 1 Change Qual. Table

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Sample ID	Compound	Q Flag	Qual Code
YS06-SB14-2H3H-0614	beta-BHC	UL	SSL
YS06-SB14-2H3H-0614	delta-BHC	UL	SSL
YS06-SB14-2H3H-0614	Heptachlor	UL	SSL
YS06-SB14-2H3H-0614	Aldrin	UL	SSL
YS06-SB14-2H3H-0614	Heptachlor epoxide	UL	SSL
YS06-SB14-2H3H-0614	gamma-Chlordane	UL	SSL
YS06-SB14-2H3H-0614	alpha-Chlordane	UL	SSL
YS06-SB14-2H3H-0614	4,4'-DDE	UL	SSL
YS06-SB14-2H3H-0614	Endosulfan I	UL	SSL
YS06-SB14-2H3H-0614	Dieldrin	UL	SSL
YS06-SB14-2H3H-0614	Endrin	UL	SSL
YS06-SB14-2H3H-0614	4,4'-DDD	UL	SSL
YS06-SB14-2H3H-0614	Endosulfan II	UL	SSL
YS06-SB14-2H3H-0614	4,4'-DDT	UL	SSL
YS06-SB14-2H3H-0614	Endrin aldehyde	UL	SSL
YS06-SB14-2H3H-0614	Methoxychlor	UL	SSL
YS06-SB14-2H3H-0614	Endosulfan sulfate	UL	SSL
YS06-SB14-2H3H-0614	Endrin ketone	UL	SSL
YS06-SB14-2H3H-0614	Toxaphene	UL	SSL
YS06-SB14-2H3H-0614	Acetone	B	MBL
YS06-SB14-2H3H-0614	2-Butanone	UJ	2S
YS06-SS13-0614	Sodium	B	EBL
YS06-SS13-0614	2-Butanone	UJ	2S
YS06-SB13-0614	Sodium	B	EBL
YS06-SB13-0614	2-Butanone	UJ	2S
YS06-SB13-2H3H-0614	alpha-BHC	UL	SSL
YS06-SB13-2H3H-0614	gamma-BHC (Lindane)	UL	SSL
YS06-SB13-2H3H-0614	beta-BHC	UL	SSL
YS06-SB13-2H3H-0614	delta-BHC	UL	SSL
YS06-SB13-2H3H-0614	Heptachlor	UL	SSL
YS06-SB13-2H3H-0614	Aldrin	UL	SSL
YS06-SB13-2H3H-0614	Heptachlor epoxide	UL	SSL
YS06-SB13-2H3H-0614	gamma-Chlordane	UL	SSL
YS06-SB13-2H3H-0614	alpha-Chlordane	UL	SSL
YS06-SB13-2H3H-0614	4,4'-DDE	UL	SSL
YS06-SB13-2H3H-0614	Endosulfan I	UL	SSL
YS06-SB13-2H3H-0614	Dieldrin	UL	SSL
YS06-SB13-2H3H-0614	Endrin	UL	SSL
YS06-SB13-2H3H-0614	4,4'-DDD	UL	SSL
YS06-SB13-2H3H-0614	Endosulfan II	UL	SSL
YS06-SB13-2H3H-0614	4,4'-DDT	UL	SSL
YS06-SB13-2H3H-0614	Endrin aldehyde	UL	SSL
YS06-SB13-2H3H-0614	Methoxychlor	UL	SSL

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Attachment 1 Change Qual. Table

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Sample ID	Compound	Q Flag	Qual Code
YS06-SB13-2H3H-0614	Endosulfan sulfate	UL	SSL
YS06-SB13-2H3H-0614	Endrin ketone	UL	SSL
YS06-SB13-2H3H-0614	Toxaphene	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1016	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1242	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1221	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1232	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1248	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1254	UL	SSL
YS06-SB13-2H3H-0614	Aroclor-1260	UL	SSL
YS06-SB13-2H3H-0614	Acetone	B	MBL
YS06-SB13-2H3H-0614	2-Butanone	UJ	2S
YS06-SB28-0405-0614	Sodium	B	EBL
YS06-SB28-0405-0614	Acetone	B	MBL
YS06-SB28-0405-0614	2-Butanone	UJ	2S
YS06-EB01-060514-SO	Beryllium	B	MBL
YS06-EB01-060514-SO	Iron	B	CCBL
YS06-EB01-060514-SO	Manganese	B	MBL
YS06-EB01-060514-SO	Sodium	B	CCBL
YS06-EB01-060514-SO	Dichlorodifluoromethane (Freon-12)	UJ	2S
YS06-EB01-060514-SO	Chloromethane	UJ	2S
YS06-SB22-0614	Acetone	B	MBL
YS06-EB01-060514-SO	Chlorobenzene	UL	BSL
YS06-EB01-060514-SO	o-Xylene	UL	BSL
YS06-EB01-060514-SO	bis(2-Chloroethyl)ether	UJ	BD
YS06-EB01-060514-SO	2-Chlorophenol	UJ	BD
YS06-EB01-060514-SO	2,2'-Oxybis(1-chloropropane)	UJ	BD
YS06-EB01-060514-SO	Hexachloroethane	UJ	BD
YS06-EB01-060514-SO	alpha-BHC	UJ	HT
YS06-EB01-060514-SO	gamma-BHC (Lindane)	UJ	HT
YS06-EB01-060514-SO	beta-BHC	UJ	HT
YS06-EB01-060514-SO	delta-BHC	UJ	HT
YS06-EB01-060514-SO	Heptachlor	UJ	HT
YS06-EB01-060514-SO	Aldrin	UJ	HT
YS06-EB01-060514-SO	Heptachlor epoxide	UJ	HT
YS06-EB01-060514-SO	gamma-Chlordane	UJ	HT
YS06-EB01-060514-SO	alpha-Chlordane	UJ	HT
YS06-EB01-060514-SO	4,4'-DDE	UJ	HT
YS06-EB01-060514-SO	Endosulfan I	UJ	HT
YS06-EB01-060514-SO	Dieldrin	UJ	HT
YS06-EB01-060514-SO	Endrin	UJ	HT
YS06-EB01-060514-SO	4,4'-DDD	UJ	HT
YS06-EB01-060514-SO	Endosulfan II	UJ	HT

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Attachment 1 Change Qual. Table

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Sample ID	Compound	Q Flag	Qual Code
YS06-EB01-060514-SO	4,4'-DDT	UJ	HT
YS06-EB01-060514-SO	Endrin aldehyde	UJ	HT
YS06-EB01-060514-SO	Methoxychlor	UJ	HT
YS06-EB01-060514-SO	Endosulfan sulfate	UJ	HT
YS06-EB01-060514-SO	Endrin ketone	UJ	HT
YS06-EB01-060514-SO	Toxaphene	UJ	HT
YS06-TB01-060514	Dichlorodifluoromethane (Freon-12)	UJ	2S
YS06-TB01-060514	Chloromethane	UJ	2S
YS06-TB01-060514	Chlorobenzene	UL	BSL
YS06-TB01-060514	o-Xylene	UL	BSL
YS06-EB01-060514-SO	2-Methylnaphthalene	UJ	BD
YS06-SB22-4H5H-0614	Heptachlor	J	2C
YS06-SB22-0614	Dichlorodifluoromethane (Freon-12)	UJ	CCL
YS06-SB22-0614	2-Hexanone	UJ	CCL
YS06-SS14-0614	Dichlorodifluoromethane (Freon-12)	UJ	CCL
YS06-SS14-0614	2-Hexanone	UJ	CCL
YS06-SB14-0614	Dichlorodifluoromethane (Freon-12)	UJ	CCL
YS06-SB14-0614	2-Hexanone	UJ	CCL
YS06-SB14-2H3H-0614	1,2-Dibromo-3-chloropropane	UJ	CCL
YS06-SS13-0614	1,2-Dibromo-3-chloropropane	UJ	CCL
YS06-SB13-0614	1,2-Dibromo-3-chloropropane	UJ	CCL
YS06-SB13-2H3H-0614	1,2-Dibromo-3-chloropropane	UJ	CCL
YS06-SB28-0405-0614	1,2-Dibromo-3-chloropropane	UJ	CCL